ABSTRACT

Lens antenna equipment including a hemispherical Luneberg lens made of dielectric, a reflector which has a size larger than the lens diameter and which is to be provided on a face equivalent to a cross-section made by halving a globular shape of the lens, a primary feed to be arranged at a focus part of the lens, and an arm for holding the primary feed, all of which are unitarily assembled together, wherein the holder of the arm can be turned about an axis that is a perpendicular line passing the center of the lens when the reflector is attached to its installation position in a substantially perpendicular manner with respect to the ground surface, and wherein the primary feed can be moved along the surface of the lens, on a plane that is perpendicular to the axis passing the center of the lens, and on a semicircle centering the axis.